

# **AMENDMENT TO THE CLAIMS:**

The following claim set replaces all prior versions, and listings, of claims in the application:

1. (Currently Amended) Process for manufacturing a laminate, which at least comprises the application of a layer of polyamide to a substrate, which as polyamide mainly branched polyamide is ~~used~~ used that is at least composed of units derived from:
  - a. AB monomers, which are understood to mean a monomer that has both a carboxylic acid group (A) and an amine group (B),
  - b. at least one compound I, being a carboxylic acid ( $A_v$ ) with functionality  $v \geq 2$  or an amine ( $B_w$ ) with functionality  $w \geq 2$ ,
  - c. at least one compound II, being a carboxylic acid ( $A_v$ ) with functionality  $v \geq 3$  or an amine ( $B_w$ ) with functionality  $w \geq 3$ , with compound II being a carboxylic acid if compound I is an amine or with compound II being an amine if compound I is a carboxylic acid, wherein the quantities of units, derived from all the carboxylic acids and amines in the polyamide, satisfy formula 1

$$P < 1 / [(F_A - 1) \cdot (F_B - 1)] \quad (1)$$

in which

$$P = [\sum (n_i \cdot f_i)]_x / [\sum (n_i \cdot f_i)]_y \quad (2)$$

In which  $P \leq 1$  and either  $X=A$  and  $Y=B$ , or  $X=B$  and  $Y=A$  and

$$F = \sum (n_i \cdot f_i^2) / \sum (n_i \cdot f_i) \quad (3)$$

for respectively all carboxylic acids ( $F_A$ ) and amines ( $F_B$ ) wherein  $f_i$  is the functionality of a carboxylic acid ( $v_i$ ) or amine ( $w_i$ ),  $[[n_i]]$   $n_i$  is the number of

moles of a carboxylic acid or amine and the summation is carried out over all units derived from carboxylic acids and amines in the polyamide.

2. (Original) Process according to claim 1, in which the layer of polyamide is applied by extrusion coating.
3. (Previously Presented) Process according to claim 1, in which the substrate is a metal or is paper or paperboard, optionally coated with a layer of a metal foil.
4. (Original) Laminate comprising a substrate and a layer consisting mainly of a branched polyamide that is at least composed of units derived from:
  - a. AB monomers, which are understood to mean a monomer that has both a carboxylic acid group (A) and an amine group (B),
  - b. at least one compound I, being a carboxylic acid ( $A_v$ ) with functionality  $v \geq 2$  or an amine ( $B_w$ ) with functionality  $w \geq 2$ ,
  - c. at least one compound II, being a carboxylic acid ( $A_v$ ) with functionality  $v \geq 3$  or an amine ( $B_w$ ) with functionality  $w \geq 3$ , with compound II being a carboxylic acid if compound I is an amine or with compound II being an amine if compound I is a carboxylic acid, wherein the quantities of units, derived from all the carboxylic acids and amines in the polyamide, satisfy formula 1

$$P < 1 / [(F_A - 1) \cdot (F_B - 1)] \quad (1)$$

in which

$$P = [\sum (n_i \cdot f_i)]x / [\sum (n_i \cdot f_i)]y \quad (2)$$

In which  $P \leq 1$  and either  $X=A$  and  $Y=B$ , or  $X=B$  and  $Y=A$  and

$$F = \sum (n_i \cdot f_i^2) / \sum (n_i \cdot f_i) \quad (3)$$

for respectively all carboxylic acids ( $F_A$ ) and amines ( $F_B$ ) wherein  $f_i$  is the functionality of a carboxylic acid ( $v_i$ ) or amine ( $w_i$ ),  $[[\eta_i]]$   $n_i$  is the number of moles of a carboxylic acid or amine and the summation is carried out over all units derived from carboxylic acids and amines in the polyamide.

5. (Canceled)
6. (Original) Packaging for foodstuffs, comprising the laminate according to claim 4.
7. (Previously Presented) Process according to claim 2, in which the substrate is a metal or is paper or paperboard, optionally coated with a layer of metal foil.
8. (Previously Presented) Process for packaging foodstuffs with comprises providing a laminate according to claim 4, and packaging said foodstuffs therein.
9. (Previously Presented) A packaged foodstuff comprising a wrapper comprising the laminate according to claim 4, and a foodstuff packaged within said wrapper.